

An XPS and AFM study of polypyrrole coating on mild steel

Idla, Katrin; Talo, A.; Niemi, H.E.-M.; Forsen, Olof; Yläsaari, Seppo Surface and interface analysis 1997 / 9, [18] p.: ill

Characterization of polyaniline and polypyrrole films by contact electric resistance (CER) technique

Talo, A.; **Idla, Katrin**; Kukkonen, J.J.V.; Forsen, Olof Meeting abstracts / the Electrochemical Society and the International Society of Electrochemistry 1997 / p. 1493: ill

Conducting polypyrrole coating of steel in aqueous solutions

Idla, Katrin; **Öpik, Andres**; Forsen, Olof Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 2/3, p. 118-126: ill

Corrosion behavior of polypyrrole coated mild steel

Reut, Jekaterina; **Öpik, Andres**; **Idla, Katrin** Synthetic metals 1999 / p. 1392-1393: ill

CuInSe₂/polypyrrole photovoltaic structure prepared by electrodeposition

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter Seventeenth European Photovoltaic Solar Energy Conference : proceedings of the International Conference held in Munich, Germany, 22-26 October, 2001. Volume I 2002 / p. 160-163 : ill

CuInSe₂/polypyrrole (polyaniline) photovoltaic structures

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter Proceedings of the 14th Workshop on Quantum Solar Energy Conversion : QUANTSOL 2002, March 17-23, 2002, Rauris, Österreich 2002 / [2] p. : ill

Electrical properties of polyaniline and polypyrrole bilayer structures

Bereznev, Sergei; **Golovtsov, Igor**; **Öpik, Andres** International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 63-MonH138

Electrical properties of polyaniline and polypyrrole bilayer structures

Bereznev, Sergei; **Golovtsov, Igor**; **Öpik, Andres** Synthetic metals 2001 / 1/3, p. 1415-1416

Electrochemical deposition of thin polypyrrole films on silicon substrates

Intelmann, Carl Matthias; **Sõritski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg 5th ISE Spring Meeting : Dublin (Ireland), 01.-04.05.07 2007 / ? p

Electrochemical (redox) behaviour of microporous polyethylene-based conducting polypyrrole composites

Reut, Jekaterina; Rosova, Elena; Elyashevich, Galina K.; **Idla, Katrin**; **Öpik, Andres** Proceedings of the Estonian Academy of Sciences. Chemistry 2003 / 3, p. 108-119 : ill

Electrochemical synthesis of polypyrrole films containing nucleotides

Kovtun, Aleksandr; Malikova, O.; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Book of abstracts of Baltic Polymer Symposium 2009 : Ventspils, Latvia, 22-25 September, 2009 2009 / ? p

Electrochemically deposited ultrathin polypyrrole films on silicon

Intelmann, Carl Matthias; **Sõritski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg GDCh (German Chemical Society) - YoungChemists : Spring Symposium 2007 : Chemnitz (Germany), 22.-24.03.07 2007 / ? p

Electrodeposited (Cu-In-Se)/polypyrrole PV structures

Bereznev, Sergei; **Kois, Julia**; **Golovtsov, Igor**; **Öpik, Andres**; **Mellikov, Enn** Thin solid films 2006 / p. 425-429 : ill

Electrosynthesized conducting polymers, polypyrrole and poly(3,4-ethylenedioxythiophene), for molecular imprinting

Öpik, Andres; **Menaker, Anna**; **Reut, Jekaterina**; **Sõritski, Vitali**; Malikova, O.; Kaev, Jevgeni; Kovtun, Aleksandr Book of abstracts of Baltic Polymer Symposium 2009 : Ventspils, Latvia, 22-25 September, 2009 2009 / ? p

Elektritjuhtiv lahustuv polüüpürrool legeeritud dodetsüülbenseensulfonaat- ja beeta-naftaleensulfonaatioonide seguga

Reut, Jekaterina; **Öpik, Andres** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 115-116

Elektrokeemilised CuInS₂/polüüpürrool fotovolt struktuurid

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 19

Elektrokeemilised CuInSe₂/polüüpürrool struktuurid päikeseenergeetikale

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 16-17

Environmental QCM sensors coated with polypyrrole

Sõritski, Vitali; Reut, Jekaterina; Öpik, Andres; Idla, Katrin Synthetic metals 1999 / p. 1326-1327 : ill

Good adhesion between chemically oxidised titanium and electrochemically deposited polypyrrole

Idla, Katrin; Inganäs, Olle; Strandberg, Marek Electrochimica acta 2000 / p. 2121-2130 : ill

Humidity and SO₂ gas sensor based on QCM coated with polypyrrole films

Sõritski, Vitali; Öpik, Andres Finnish Chemical Congress and Exhibition, Helsinki, November 3-5, 1998 : abstracts 1998 / p. 10

Hybrid copper-indium disulfide polypyrrole/photovoltaic structures prepared by electrodeposition

Bereznev, Sergei; Konovalov, Igor; **Öpik, Andres; Kois, Julia; Mellikov, Enn** Solar energy materials and solar cells 2005 / p. 197-206 : ill

Hybrid CuInS₂/polypyrrole and CuInS₂/poly(3,4-ethylenedioxythiophene) photovoltaic structures

Bereznev, Sergei; Konovalov, Igor; **Öpik, Andres; Kois, Julia** Synthetic metals 2005 / 1/3, p. 81-84 : ill

Hybrid solar cells based on a-Si and electrodeposited polypyrrole

Dosenovicova, Denisa; Bereznev, Sergei; Maricheva, Jelena; Neumüller, A.; Sergeev, O.; **Volobujeva, Olga; Kois, Julia; Öpik, Andres** Baltic Polymer Symposium 2016 : programme and abstracts 2016 / p. 31 : ill

In-situ characterization of the polypyrrole films by QCM and CER techniques

Sõritski, Vitali; Öpik, Andres; Talo, A.; Forsen, Olof International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 122-WedA121 <https://research.aalto.fi/publications/in-situ-characterization-of-the-polypyrrole-films-by-qcm-and-cer->

Investigation of the silicon/polypyrrole interface by pulsed photoluminescence and IR spectroscopic ellipsometry during electrochemical deposition

Zhang, Xin; **Sõritski, Vitali;** Sun, Guoguang; Hinrichs, Karsten; Rappich, Jörg Polymers for advanced technologies 2013 / p. 171

Modification of conductive properties and processability of polyparaphenylene, polypyrrole and polyaniline

Golovtsov, Igor 2005 https://www.ester.ee/record=b2097077*est

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Öpik, Andres E-MRS Spring Meeting 2012 - Symposium B : Strasbourg, France, May 14-18, 2012 : program and abstract book 2012 / p. 8

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Volobujeva, Olga; Traksmaa, Rainer; Tverjanovich, Andrey; **Öpik, Andres; Mellikov, Enn** Thin solid films 2013 / p. 198-201 : ill

Polüparafenüleen/polüürrool mitmekihilised struktuurid

Golovtsov, Igor; Öpik, Andres XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 31

Polüürrool-polüparafenüleen komposiitkilede ja polüürroolile omaduste uurimine

Golovtsov, Igor; Öpik, Andres XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 22-23

Polüürrooli elektrokeemiline süntees vesilahustes = A study of the electrochemical synthesis of polypyrrole from aqueous solution on stainless steel electrode

Reut, Jekaterina; Idla, Katrin XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 167-168 https://www.ester.ee/record=b1070511*est

Polüürrooliga modifitseeritud elektrit juhtiva mikropoore polüetüleeni elektrokeemilised omadused

Reut, Jekaterina; Rosova, E.Yu.; Elyashevich, Galina K.; **Idla, Katrin; Öpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 114-115

Polypyrrole back contact to CDS/CDTE solar cell structures by photo-assisted electrodeposition technique

Jarkov, Aleksandr; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Öpik, Andres Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 42

Polypyrrole back-contact to CdS/CdTe solar cell

Bereznev, Sergei; Jarkov, Aleksandr; Kois, Julia; Volobujeva, Olga; Mellikov, Enn; Öpik, Andres 11th International Symposium on Functional π -electron systems (F π -11) : June 2-7, 2013, Arcachon, France : book of abstracts 2013 / p. 164

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** 21st Discussion Conference of P.M.M./9th International Conference ERPOS : Electrical and Related Properties of Polymers and Other Organic Solids : Prague, 14-18 July 2002 : programme booklet. Volume K 76 2002 / p. 96

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** 21st Discussion Conference of P.M.M./9th International Conference ERPOS : Electrical and Related Properties of Polymers and Other Organic Solids : Prague, 14-18 July 2002 2002 / [6] p. : ill

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** Electronic Phenomena in Organic Solids : Prague, Czech Republic, July 14-18, 2002 2004 / p. 287-292 : ill

Polypyrrole-polyparaphenylene blend films electrochemically deposited onto light transparent substrates

Golovtsov, Igor; **Öpik, Andres** International Conference on Science and Technology of Synthetic Metals : book of abstracts 2002 / p. 32

Preparation and characterization of multilayer system consisting of the soluble and electrochemically synthesized polypyrrole films

Reut, Jekaterina; **Reut, N.**; **Öpik, Andres** International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 5-SunA109

https://www.researchgate.net/publication/243345790_Preparation_and_characterization_of_multilayer_Systems_consisting_of_the_soluble_and_electrochemically_synthesized_polypyrrole_films

Preparation and characterization of multilayer systems consisting of the soluble and electrochemically synthesized polypyrrole films

Reut, Jekaterina; **Reut, N.**; **Öpik, Andres** Synthetic metals 2001 / 1/3, p. 81-82 : ill

Recombination behaviour at the ultra-thin polypyrrole film

Intelmann, Carl Matthias; Hinrichs, Karsten; **Söritski, Vitali**; Yang, Florent; Rappich, Jörg EM-Nano 2007 International Symposium on Organic and Inorganic Electronic Materials and Related Nanotechnologies : Nagano (Japan), 19.-22.06.2007 2007

Soluble conducting polypyrrole doped with mixed dodecylbenzen sulfonate and beta-naphtalene sulfonate

Reut, Jekaterina; **Öpik, Andres** Proceedings of Baltic Polymer Symposium 2001 : Oct. 11-12 in Tallinn 2001 / p. 243-248 : ill

Study of synthesis and redox switching of polypyrrole and poly(3,4-ethylenedioxythiophene) by using in-situ techniques

Söritski, Vitali 2004 https://www.ester.ee/record=b1994290*est

A study of the electrochemical synthesis of polypyrrole from aqueous solution on stainless steel electrode

Reut, Jekaterina; **Idla, Katrin**; **Öpik, Andres** Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 3/4, p. 152-159

Temperature-dependent conductivity of polyparaphenylene/polypyrrole multilayer structures

Golovtsov, Igor; **Öpik, Andres** Synthetic metals 2001 / 1/3, p. 1363-1364

Temperature-dependent conductivity of polyparaphenylene/polypyrrole multilayer structures

Golovtsov, Igor; **Öpik, Andres** International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 58-MonH102

Thin composite films consisting of polypyrrole and polyparaphenylene

Golovtsov, Igor; **Bereznev, Sergei**; **Traksmaa, Rainer**; **Öpik, Andres** Thin solid films 2006 / 19, p. 7712-7715 : ill

Ultrathin polypyrrole films on silicon substrates

Intelmann, Carl Matthias; **Söritski, Vitali**; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg Electrochimica acta 2008 / 11, p. 4046-4050 : ill

XPS and SIMS study : adhesion of polypyrrole film on titanium

Idla, Katrin; Johansson, L.-S.; Campbell, J.M.; Inganäs, Olle Surface and interface analysis 2000 / p. 557-560 : ill
[https://doi.org/10.1002/1096-9918\(200008\)30:1%3C557::AID-SIA866%3E3.0.CO;2-N](https://doi.org/10.1002/1096-9918(200008)30:1%3C557::AID-SIA866%3E3.0.CO;2-N)

Электроосаждение полипиррола в качестве тыльного контакта для солнечного элемента CdS/CdTe

Bereznev, Sergei; **Kois, Julia**; **Jarkov, Aleksandr**; **Öpik, Andres**; **Mellikov, Enn** Шестая Всероссийская Каргинская конференция "Полимеры - 2014". Том I, Программа конференции и сборник тезисов пленарных, приглашённых, и устных докладов 2014 / с. 165